

SCIENTIFIC PROGRAM

20th January, 2025 (First Day)

8.45 AM -
10.00 AM

Inauguration and high tea
Chief Guest: Prof. Vinod K. Paul, Member, NITI Aayog, Government of India

SESSION 1 Genome editing/ Gene Therapy

	No.	Name of the Speaker	Venue	Chairpersons
10.00 AM - 10.50 AM		Dr. Debojyoti Chakraborty , IGIB, New Delhi	Hall A	Prof. Alok Srivastava, CMC, Vellore
	OP1	Navigating the translational route of therapeutic gene editing in resource limited settings.		
	OP2	Prof. Ramachandran Shaji , CMC, Vellore Lentiviral gene therapy vectors for haemoglobinopathies.		

SESSION 2 Panel Discussion on "Genetics Research in India: Quo vadis?"

10.50 AM - 12.05 PM	<p>Panellists: Prof. RNK Bamezai, Former VC, Shri Mata Vaishno Devi University Topic: Current challenges for genetic research in India and way forward.</p> <p>Dr. Giriraj Chandak, Sir JC Bose Fellow, CCMB, Hyderabad Topic: Phenomic complexities of diseases transcend genomic complexity: newer strategies for fishing in troubled waters!</p> <p>Dr. K. Thangaraj, Former Director, CDFD, Hyderabad Topic: The Hype, The Hope, The Promise and The Reality of Genome India initiative: Where India stands now?</p> <p>Prof. Alok Srivastava, CMC, Vellore Topic: Developing technologies for gene therapy in India and their translation to products.</p> <p>Dr. Vedam Ramprasad, CEO, Medgenome Topic: Mushrooming genome testing Industry in India: urgent need for constituting a regulatory body and policies.</p> <p>Dr. Anuradha Acharya, CEO, Mapmygenome, Hyderabad Topic: Pharmacogenomics vis-à-vis Precision Medicine: How to surmount the bumpy roads?</p>	Hall A	<p>Moderators: Prof. Binay Panda, JNU, New Delhi</p> <p>Dr. Moinak Banerjee, RGCB, Thiruvananthapuram</p>
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		Prof. B.K. Thelma , National Science Chair, University of Delhi, Delhi Topic: Biobanking and ethical issues in research: Can India replicate the UK biobank facility?	Hall A	
CONCURRENT SESSIONS 3 Theme: Neurogenetics, genetics of ageing and neurodegeneration				
12.10 PM - 1.15 PM	OP3	Prof. Divya Mehta , Queensland University of Technology, Australia Biopsychosocial drivers of the stress response in different populations.	Hall A	Prof. Prabha Chandra, Dean, Behavioural Sciences, NIMHANS, Bengaluru Prof. Pramod. K. Pal, NIMHANS, Bengaluru
	OP4	Dr. Manu Sharma , University of Tubingen, Germany Genomic peaks in Parkinson's Disease: Paving the way for precision medicine.		
	OP5	Dr. Mohammed Faruq , IGIB, New Delhi Conventional screening and Whole Exome Sequencing in Progressive Ataxias: Unravelling Genetic Complexity.		
12.10 PM - 1.15 PM	OP6	Dr. Bratati Kahali , Centre for Brain Research, Indian Institute of Science, Bengaluru Deciphering genetic architecture for complex disease traits: Insights from the Indian and other world populations.	Hall B	Prof. Anuranjan Anand, JNCASR, Bengaluru, Prof. K. Satyamoorthy, Research Director, SDM University, Karnataka.
	OP7	Dr. Santhosh Girirajan , Pennsylvania State University, USA Untangling genetic interactions in complex disease.		
	OP8	Prof. Udai Bhan Pandey , Pittsburgh School of Medicine, USA Geminopathies: mining for GEMs in rare genetic disorders.		
FREE COMMUNICATION SESSION 1 (10 mins oral presentations for young researchers) Theme: Genetics of Brain Disorders				
12.10 PM - 1.15 PM	ST1	Dr. Bhagyalakshmi Shankarappa , NIMHANS, Bengaluru Spatiotemporal Epigenetic variation in postmortem brain tissue samples from an Indian Population.	Hall C	

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12.10 PM – 1.15 PM	ST2	Ms. Kalyani Karunakaran , NIMHANS, Bengaluru Temporal gene expression signatures across neurodevelopment: a transdiagnostic analysis of bipolar disorder, schizophrenia, autism, and epilepsy.	Hall C	Prof. G. Venkatasubramanian, NIMHANS, Bengaluru Dr. Moinak Banerjee, RGCB, Thiruvanathapuram
		Dr. Surya G. Krishnan , CHG, Bengaluru Plexiform Neurofibromatosis: Early experience from a Multispecialty Clinic at a single centre.		
	ST4	Ms. Smriti Jha , RIMS, Ranchi Association study of blood based and genetic markers predictive of cognitive decline post stroke.		
	ST5	Dr. Pradip Paul , NIMHANS, Bengaluru Deciphering cellular mechanisms of bipolar disorder and lithium response.		
1.15 PM – 2.00 PM	Lunch Break			
2.00 PM – 3.00 PM		Plenary Talk I: Prof. Aravinda Chakravarti , New York School of Medicine, USA Diversity of Mutations in Human Disease.	Hall A	Prof. Samir K. Brahmachari, Former Director General, Council of Scientific and Industrial Research (CSIR), Government of India. Dr. K. Thangaraj K., Former Director, CDFD, Hyderabad
SESSION 4 Theme: Translational Genomics and Precision Medicine				
3.10 PM – 4.15 PM	OP9	Prof. Aurora Pujol , Bellvitge Biomedical Research Institute, Spain Improving genomic diagnosis and therapies for brain metabolic disorders.	Hall A	Prof. Sumita Danda, CMC, Vellore Prof. Reena Gulati, JIPMER, Pondicherry
	OP10	Dr. Prerana Jha , Director-Lab Operations, Bencos Healthcare Solutions Pvt. Ltd., Mumbai, Maharashtra. Exome or Genome? Decoding the way forward in Genomic Medicine.		

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	OP11	Prof. Manisha Madkaikar , Director, ICMR-NIIH, Mumbai		
		Resolving the Unknown: Advancing Precision Diagnostics and Therapeutics in Inborn Errors of Immunity.		
SESSION 5 Theme: Metagenomics and Human Health				
3.10 PM - 4.15 PM	OP12	Prof. Niranjana Nagarajan , Genome Institute of Singapore, Singapore	Hall B	Prof. Yogesh Shouche, Director, SKAN Research Foundation, Bangalore Prof. Arindam Maitra, NIBMG, Kalyani
	OP13	Mr. Mainak Chakraborty , Senior Solutions Architect, Amazon Web Services. Revolutionize Genomics Research with AI on AWS cloud.		
	OP14	Dr. Varun Aggarwala , Jio Institute, Mumbai Antimicrobial Resistance Reservoir in the Gut: Baseline, Dynamics, and Reset through microbiota engineering.		
FREE COMMUNICATION SESSION 2 (10 mins oral presentations for young researchers) Theme: Genetics of complex disorders				
3.10 PM - 4.15 PM	ST6	Dr. Sushil Selvarajan , CMC, Vellore Impact of cancer and therapy on epigenetic landscapes of normal cells: Describing a novel endpoint in survivorship.	Hall C	Prof. Raghunath Chatterjee, ISI, Kolkata Prof. Biren Banerjee, Silicon University Bhubaneswar.
	ST7	Ms. Khadija Sana Hafeez , Turin, Italy. Multi-Omics Integration in Pleural Mesothelioma Reveals Key Molecular Signatures.		
	ST8	Dr. Hafeeda Kunhabdulla , Yenepoya University, Mangalore Molecular profiling of Oral Squamous Cell Carcinoma patients of south Indian population.		

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	ST9	Mrs. Megha Radhakrishnan , BHU, Varanasi Molecular pathology of cervical carcinogenesis: Role of telomere and THOR in tumor initiation and progression.		
	ST10	Ms. Uma Dharshini Karuppiah , University of Madras, Chennai Transcriptome analysis reveals potential biomarkers in Head and Neck squamous cell Carcinoma.		
4.15 PM – 4.35 PM	Tea Break			
4.35 PM – 5.25 PM	Dr. L.D. Sanghvi Oration of ISHG		Hall A	Prof. B. K. Thelma Dr. K. Thangaraj
5.30 PM – 6.30 PM	Plenary Talk-2: Prof. Eric Green , Director, NIHGR, USA The Forefront of Genomics.		Hall A	Prof. Pratima Murthy, Director, NIMHANS, Bengaluru
6.30 PM – 7.30 PM	Poster Presentation			
6.30 PM – 8.00 PM	ISHG EC MEETING		Boardroom, Convention Centre	
7.30 PM – 8.30 PM	QUIZ COMPETITION		Hall A	
8.30 PM – 9.30 PM	Dinner			

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21st January, 2025 (Second Day)

8.00 AM-8.45AM				Breakfast			
8.45 AM-9.35 AM		Plenary Talk-3: Prof. Henry Houlden, University College of London, UK Using new technology to diagnose unsolved neurological disorders.		Hall A		Chairpersons: Prof. Yasha TC, Dean, Clinical Neuroscience, NIMHANS, Bengaluru Prof. Atchayaram Nalini, NIMHANS, Bengaluru	
CONCURRENT SESSIONS 6 Theme: Genetics of Complex Disorders/Epigenetics/Gene-environment Interactions							
9.40 AM - 10.45 AM		OP15 Prof. Amit Dutt, University of Delhi, New Delhi Genetic insights into lung cancer resistance to targeted therapy.		Hall A		Prof. Sagar Sengupta, Director, NIBMG, Kalyani Prof. Annapoorni Rangarajan, Indian Institute of Science, Bengaluru	
		OP16 Prof. Sanjeev Shukla, IISER, Bhopal Epigenetic reprogramming under hypoxia: The role of CTCF and PRMT5 in breast cancer progression.					
		OP17 Prof. Dil-Afroze, Sher-i-Kashmir Institute of Medical Sciences, J & K Navigating the <i>Helicobacter pylori</i> driven immune landscape from Inflammation to gastric carcinogenesis.					
9.40 AM - 10.45 AM		OP18 Prof. Chittaranjan Yajnik, KEM Hospital, Pune Life course evolution of diabetes in Indians: developmental origins of health and disease.		Hall B		Dr. Subhabrata Chakrabarti, LV Prasad Eye Institute, Hyderabad Prof. Dwaipayan Bharadwaj, JNU, New Delhi	
		OP19 Prof. Raghunath Chatterjee, ISI, Kolkata Compensatory role of interleukin-17A in regulating the keratinocyte cell proliferation.					
		OP20 Dr. Kiran Polavarapu, CHEO Research Institute, Canada. Solving the unsolved in neuromuscular diseases: Genomic re-analysis through international collaborations using RDConnect GPAP.					

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10.45 AM – 11.05 AM		Tea break and visit to corporate stalls		
SESSION 6 ISHG Young Scientist Presentation				
11.05 PM – 1.20 PM	YSA1	Mr. Sohail Rafik Mansuri , CCMB, Hyderabad Epigenome-wide association study of childhood cognitive function identifies inflammation as a key differentially regulated pathway.	Hall A	Prof. B.K. Thelma, President, ISHG Dr. Inderjeet Kaur, Secretary, ISHG
	YSA2	Ms. Debakreeta Ghosh , ISI, Kolkata Unraveling the Role of the lncRNA RP11-215G15.5 in Psoriasis Pathogenesis.		
	YSA3	Mr. Bipin Raj Shekhar , NIRRCH, Mumbai CNTNAP2 gene deletion confers risk to schizophrenia through dendritic spine abnormalities evaluated using hiPSCs derived neuron.		
	YSA4	Mr. Saikat Dey , NIMHANS, Bengaluru Genetic modulation of systemic and neuro-inflammation in progressive Supranuclear Palsy.		
	YSA5	Ms. Debolina Saha , NIRRCH, Mumbai Developing a patient-friendly diagnostic method for mitochondrial disorders: correlation of genetic variants with multi-complex deficiencies.		
	YSA6	Ms. Kavya V.P. , NIMHANS, Bengaluru Transgenerational effect of maternal stress on the behavioral outcomes of children: the role of maternal immune activation and epigenetic modulation.		
	YSA7	Ms. Smita Saha , CDFD, Hyderabad Mutations in HYPK cause a novel neurodevelopmental disorder by impairing neuronal proteostasis and autophagy.		

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	YSA8	<p>Ms. Pratibha Banerjee, CUP, Bathinda.</p> <p>Gliadin-induced pathogenic differential transcriptome signature of Gut mucosa in celiac disease and its mitigation through a gluten-free dietary component using a patient-derived organoid model.</p>		
	YSA9	<p>Ms. Swati Singh, Kasturba Medical College, Manipal</p> <p>Biallelic variants in CCN2 underlie an autosomal recessive kyphomelic dysplasia.</p>		
1.20 PM – 2.10 PM	Lunch Break			
2.10 PM – 3.00 PM	<p>Plenary talk-4: Prof. Jian Jun Liu, Director, Genome Institute of Singapore, Singapore</p> <p>Genetics of leprosy susceptibility and treatment outcome.</p>		Hall A	<p>Chairpersons: Prof. Kunal Ray, Ramakrishna Mission Vivekananda Educational & Research Institute, Kolkata</p>
SESSION 7 Emerging Scientist Award				
3.00 PM – 4.20 PM	<p>Dr. Aditi Chandra, Saha Institute of Nuclear Physics, Kolkata</p> <p>A multi-enhancer hub controls dosage of Ets1 gene expression and protects from allergic inflammation.</p>		Hall A	<p>Dr. G.R. Chandak, CCMB, Hyderabad</p> <p>Prof. S. Ganesh, IIT, Kanpur</p>
	<p>Dr. Ashitha S.N.M., NIMHANS, Bengaluru</p> <p>Neurodevelopmental dysregulation underpins pathogenesis of severe mental illnesses.</p>			
	<p>Dr. Jeru Manoj Manuel, uMaster, Canada</p> <p>Decoding the transcriptome usage & Alternative Splicing signature (AS) during neuronal differentiation: Deep gene regulatory approach.</p>			
	<p>Dr. Priyanka Upadhyai, Kasturba Medical College, Mangalore</p> <p>A tale of two cellular processes: cilia-autophagy crosstalk in bone development and the pathogenesis of skeletal dysplasias.</p>			

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		Dr. Sabyasachi Senapati , Central University of Punjab, Bhatinda		
		A cryptic tale besides HLA- Associations in Celiac Disease		
4.20 PM - 4.45 PM	Tea Break and Visit to Corporate Stalls			
SESSION 8				
Theme: Genetic landscape and treatment avenues for rare genetic disorders				
4.45 PM - 5.45 PM	OP21	Dr. Ashwin Dalal , CDFD, Hyderabad Indian Genomics Landscape: Achievements and opportunities.	Hall A	Prof. Akella Radha Rama Devi, Rainbow Children's Hospital, Hyderabad Prof. Reena Das, PGIMER, Chandigarh
	OP22	Dr Meenakshi Bhat , Director and Senior Geneticist, Centre for Human Genetics, Bengaluru MPS I – calibrating treatment outcome & India experience.		
	OP23	Prof. Anju Shukla , Kasturba Medical College, Manipal, Karnataka Initiating multi-center efforts for addressing rare disease challenges in India.		
SESSION 9				
Theme: Genetics of malignancies				
4.45 PM - 5.45 PM	OP24	Prof. Ellora Sen , NBRC, Manesar Metabolic-Epigenetic shifts in Gliomas: Role of IDH1 mutation.	Hall B	Prof. Gopeshwar Narayan, BHU, Varanasi Prof. Sunita Singh, BHU, Varanasi.
	OP25	Prof. Hirofumi Nakaoka , Sasaki Institute, Japan Clonal selection and diversification of somatic mutations in normal human endometrial epithelium.		
	OP26	Prof. Pranay Tanwar , AIIMS, New Delhi Decoding the hedgehog signaling pathway in acute myeloid leukemia: Biomarkers and therapeutic perspectives.		

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SESSION 10

Theme: Advances in Genomic Technologies and Clinical Awareness

5.45 PM - 6.25 PM	<p>Dr. Jim Zhang, Senior Field Application Scientist at Twist Biosciences.</p> <p>Maximizing Sensitivity in Liquid Biopsy: Advances in twist cfDNA library preparation and custom panel solutions.</p> <p>Dr. Ravi Kumar Chilukoti, Head – India & SA Technical Support & PM, MGI Tech co., Ltd.</p> <p>MGI's SEQ ALL Landscape: Full spectrum of sequencing technologies from short-read to Long-read sequencing.</p>	Hall A	<p>Prof. K. Premkumar, Bharathidasan University, Tiruchirappalli</p> <p>Dr. Kamlesh Guleria, Guru Nanak Dev University, Amritsar</p>
6.25 PM - 6.45 PM	Poster Presentation		
7.00 PM - 8.00 PM	ISHG GB MEETING	Hall A	
8.00 PM - 9.30 PM	CULTURAL PROGRAMME AND GALA DINNER		

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22nd January, 2025 (Third Day)

8.00 AM - 8.45 AM		Breakfast		
8.45 AM - 9.35 AM	Plenary talk 5: Prof. Vorasuk Shotelersuk, Chulalongkorn University, Thailand		Hall A	Chairpersons: Prof. Ashutosh Halder, AIIMS, New Delhi Dr. Ashwin Dalal, CDFD, Hyderabad
	Genomics Thailand and Rare Diseases: Advancing precision public health and uncovering novel disease genes.			
CONCURRENT SESSIONS 11 Theme: Chromosome biology, genome architecture and regulation				
9.35 AM - 10.40 AM	OP27	Prof. Sagar Sengupta, Director, NIBMG Small molecules reverting chemoresistance via chromatin remodelling are viable candidates for adjunct therapy in colon cancer.	Hall A	Prof. S. Ganesh, IIT, Kanpur Prof. RNK Bamezai, Former Vice Chancellor, Shri Mata Vaishno Devi University, J&K
	OP28	Prof. Sathees Raghavan Indian Institute of Science, Bengaluru Mechanism of chromosomal translocations in lymphoid neoplasia: Focus on non-B DNA and RAGs.		
	OP29	Prof. Chandrima Das, SINP, Kolkata Epigenetic regulator ZMYND8 drives tumor heterogeneity through metabolic reprogramming in breast cancer.		
9.35 AM - 10.40 AM	OP30	Dr. Padavattan Sivaraman, NIMHANS, Bengaluru Unveiling the Parkinson's disease-associated α -Synuclein role in chromatin regulation.	Hall B	Prof. AJS Bhanwer, SGRDIMSR, Amritsar Dr. Bibhas Kar, Kokilaben Dhirubhai Ambani Hospitals, Mumbai
	OP31	Dr. Hemachander Subramanian, NIT, Durgapur Structure-function relationship in DNA: The importance of kinetics.		
	OP32	Dr. Divya Tej Sowpati, Centre for Cellular and Molecular Biology, Hyderabad Optical Genome Mapping: Next generation cytogenetics		

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FREE COMMUNICATION SESSION 3 (10 mins oral presentations for young researchers) Theme: Disease Genetics				
9.35 AM - 10.40 AM	ST11	Mrs. Syed Ali Fathima Afrin J , SASTRA Deemed University, Tamil Nadu Exploring the DNA methylation profile associated with Bardet-Biedl syndrome: An EPIC array-based approach.	Hall C	Prof. Inusha Panigrahi, PGIMER, Chandigarh Dr. Renu Saxena, Sir Ganga Ram Hospital, New Delhi
	ST12	Dr. Shantanab Das , ISI, Kolkata HLA-C and HLA-B Shape Psoriasis risk and protection profiles.		
	ST13	Dr. Amol N Patil , PGIMER, Chandigarh Development and validation wise assessment of genotype guided warfarin dosing algorithm in Indian population.		
	ST14	Mr. Kondyarpur Abhishek , ILS, Bhubaneswar Otitis Media, an underrated complex disease: From candidate gene to next generation sequencing and from confusion to clarity, in the end pragmatically a covalent compromise?		
	ST15	Dr Shalini S Nayak , Kasturba Medical College, Manipal Investigation of clinical and genetic heterogeneity in human fetuses with arthrogryposis multiplex congenita.		
10.40 AM - 11.00AM	Tea break and visit to corporate stalls			
SESSION 12 Theme: Genomic Technologies, big data, and precision medicine				

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11.00 AM - 12.05 PM	OP33	Prof. Anlabha Basu , NIBMG, Kalyani Why India needed a genome sequencing project of its own?	Hall A	Prof. B. K. Thelma, University of Delhi, Delhi
	OP34	Prof. Binay Panda , JNU, New Delhi <i>X-plat</i> : a cross-platform transformation tool based on the nearest neighbor joining framework.		Prof. Manisha Madkaikar, Director, ICMR-NIIH, Mumbai
	OP35	Dr. Arunabha Majumdar , IIT, Hyderabad A unified Bayesian approach to transcriptome-wide association study.		
SESSION 13 Theme: Genome to Phenome				
11.00 AM - 12.05 PM	OP36	Prof. Arindam Maitra , NIBMG, Kalyani Born Too Soon: The molecular underpinnings of preterm birth in Indian women.	Hall B	Prof. Mitali Mukherjee, IIT, Jodhpur
	OP37	Prof. Uppala Radhakrishna , The University of Pittsburgh School of Medicine, USA Placental epigenetic signatures can predict long-term health outcomes in infants prenatally exposed to opioids and neonatal opioid withdrawal syndrome.		Prof. Govindasamy Kumaramanickavel, Director of Research, Narayana Netralaya, Bengaluru
	OP38	Prof. Ashutosh Halder , AIIMS, New Delhi Genetic landscape of Polycystic Ovary Syndrome (PCOS).		
FREE COMMUNICATION SESSION 4 (10 mins oral presentations for young researchers) Theme: Functional Genomics				

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11.00 AM – 12.05 PM	ST16	Mr. Bishnu Prasad Parida , BHU, Varanasi Choline kinase isoform regulation in Cervical cancer: Implications in tumor progression and therapeutic targeting.	Hall C	Dr. Indrani Datta, NIMHANS, Bengaluru Dr. Dhanjit Das, National Institute for Research in Reproductive Health, Mumbai
	ST17	Ms. Vibhaa Kumar , TIGS, Bengaluru Gene editing reveals mutation specific disease manifestations in a human pluripotent stem cell derived Pompe disease model.		
	ST18	Ms. Aishwarya Murali , IIT, Madras Cellular specificity of ribosomal protein gene expression in human tissues.		
	ST19	Dr. Priyanka Srivastava , SGPGI, Lucknow Cytogenetic landscape of products of conceptions from recurrent pregnancy loss in north Indian population.		
	ST20	Ms. Merin George , NIIH, Mumbai Comprehensive genomic and global DNA methylation profiling in Indian Fanconi Anaemia subjects.		
SESSION 14 Theme: Innovations in genomic tools and treatment of genetic disorders				

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12.05 PM – 1.20 PM	OP39	Dr. Kriti Kaushik , Product Manager–Multiomics at Premas Life Sciences. Advancing human healthcare through multiomics’ insights.	Hall A	Dr. Vinod Scaria, Karnikos Healthcare, Bengaluru Dr. Prabhakar Kedar, NIIH, Mumbai
	OP40	Prof. Sumita Danda , Christian Medical College, Vellore Uncovering ASMD: Recent updates and management.		
	OP41	Dr. Dan Fordham , Director, Strategic Product Management EMEA, Oxford Nanopore Technologies. The path to a true genome – Reimaging a new standard using all read sequencing.		
	OP42	Dr. Rahul Solanki , Application Scientist, Agilent Technologies, India. Elevating Precision Oncology: Tumor genomic profiling solutions advancing precision oncology		
1.20 PM – 2.00 PM	Lunch Break and Poster Presentation			
SESSION 15				
Theme: Modelling of Human Diseases/Regenerative Medicine				
2.00 PM – 3.05 PM	OP43	Prof. Jens Christian Schwamborn University of Luxembourg, Germany Modeling parkinson’s disease with human midbrain organoids.	Hall A	Prof. Krishanu Ray, Director, NBRC, Gurgaon Dr. Sridhar Sivasubbu, Former Chief Scientist, IGIB, New Delhi
	OP44	Dr. Aarti Sevilimedu , Dr. Reddy’s Institute of Life Sciences, Hyderabad Modelling rare genetic disorders in Zebrafish: insights into disease mechanisms.		
	OP45	Prof. Anindya Ghosh Roy , NBRC, Manesar Regenerating and reconnecting Neural circuits.		

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SESSION 16 Theme: Regulatory Genomics

2.00 PM - 3.05 PM	OP46	Prof. Swapan K. Nath , OMRF, USA Decoding the genetic architecture of SLE: insights from Post-GWAS analyses and functional characterization of an Asian-Specific regulatory variant.	Hall B	Dr. V. Babu Rao, NIIH, Mumbai & Prof. A.K. Munirajan, University of Madras, Chennai
	OP47	Dr. Rachel A.J. , Formerly Associated with CCMB, Hyderabad Regulation of autosomal genes by noncoding RNAs from Y-chromosomal heterochromatin and implications in male fertility.		
	OP48	Dr. Dimple Notani , NCBS, Bengaluru Roles of transcriptional enhancers in disease susceptibility.		

FREE COMMUNICATION SESSION 5 (10 mins oral presentations for young researchers) Theme: Population genetics

2.00 PM - 3.05 PM	ST21	Dr. Amit Gaurav Ghosh , Nanyang Technological University, Singapore Genomic Insights into North Eurasian and South American indigenous populations shaped by diverse environments.	Hall C	Dr. Swarkar Sharma, Central University of Jammu, J&K Dr. Anamika Singh, National University of Singapore, Singapore
	ST22	Dr. Ranajit Das , Yenepoya University, Karnataka Individuals' unique genetic makeup influences their susceptibility towards infectious diseases: COVID-19 as a case study.		
	ST23	Mr. Sachin Rathod , IIT, Jodhpur Genetic basis of climatic adaptation in Thar desert populations.		
	ST24	Ms. Haya Afreen , NIBMG, Kalyani Understanding South Asia's population history through archaic Introgression.		
	ST25	Dr. M.S. Mustak , Mangalore, University, Mangalore. Maternal genetic landscape of Konikanī population.		

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SESSION 17				
Theme: Genetics of brain disorders				
3.05 PM - 4.30 PM	OP49	Prof. Quasar S Padiath , University of Pittsburgh, USA	Hall A	Prof. B.S. Sankarnarayana Rao, Registrar, NIMHANS, Bengaluru Prof. Anju Shukla, Kasturba Medical College, Manipal
	OP50	Prof. Subrata Sinha , AIIMS, New Delhi Behaviour, genetics & genes: connecting some dots in familial dyslexia.		
	OP51	Dr. Ganesh Chauhan , RIMS, Ranchi MRI markers of cerebral small vessel diseases and their genetic determinants.		
	OP52	Prof. Santasree Banerjee , Jilin University, China Application of genomic sequencing technologies: Genetic molecular diagnostics of developmental delay and intellectual disability.		
SESSION 18				
Theme: Gene discovery and management of genetic diseases				
3.05 PM - 4.30 PM	OP53	Prof. Virginia Kimonis , University of California, USA The use of antisense oligonucleotides for treating rare genetic diseases.	Hall B	Dr. P.V. Ramchander, ILS, Bhubaneswar Dr. Inderjeet Kaur, LV Prasad Eye Institute, Hyderabad
	OP54	Prof. Arijit Mukhopadhyay , University of Salford, UK Beyond the Lab: How storytelling with genetics is revolutionizing glaucoma care.		
	OP55	Prof. Nachimuthu Senthil Kumar , Mizoram University, Mizoram Environmental and genetic studies reveal potential risks factors for substance Use disorder in the high incidence mizo population of North-East India.		

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	OP56	Dr. Swarkar Sharma , Central University of Jammu, Jammu Pharmacogenomics in populations of Jammu and Kashmir.		
4.30 PM - 5.30 PM	High Tea & Valedictory Session			